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Attorney Docket No. SOM01 P329A

1-15-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 3736  
Examiner : Joseph A. Cadugan  
Applicant : Bruce J. Barrett et al.  
Appln. No. : 09/870,676  
Cnfm. No. : 2249  
Filed : July 12, 2001  
FOR : **MULTI-CHANNEL NON-INVASIVE TISSUE OXIMETER**

**RECEIVED**

**JAN 03 2003**

Assistant Commissioner for Patents  
Washington, D.C. 20231

TECHNOLOGY CENTER REVIEW

Dear Sir:

RESPONSE

This communication is responsive to the Official Action in the above-identified application mailed August 27, 2002. Please amend as indicated below and consider the attached remarks which are believed to place this case in condition for allowance.

Attached hereto is a marked-up version of the changes made to the claims by the current amendments. The first page of the marked-up version is captioned "Version With Markings to Show Changes Made," with any additional text underlined and any deleted text [bracketed].

IN THE CLAIMS:

Please amend claims 1, 2, 9, 11, 17-19, 27-33, 35, 40, 42, 48, 49, and 59.

Please cancel claims 8, 13-16, 34, and 36-39 without prejudice.

1. (Amended) A method for comparative spectrophotometric in vivo monitoring and display of selected blood metabolites present in a plurality of different internal regions of the same test subject on a continuing and substantially concurrent basis, comprising the steps of:

applying a separate spectrophotometric sensor to a test subject at each of a plurality of separate testing sites and coupling each such sensor to a control and processing station;

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